

Title (en)  
ELECTROMAGNETIC RELAY

Title (de)  
ELEKTROMAGNETISCHES RELAIS

Title (fr)  
RELAIS ÉLECTROMAGNÉTIQUE

Publication  
**EP 3422378 B1 20200513 (EN)**

Application  
**EP 18179089 A 20180621**

Priority  
JP 2017126249 A 20170628

Abstract (en)  
[origin: EP3422378A1] An electromagnetic relay includes a movable terminal including a movable contact, a fixed terminal including a fixed contact that faces the movable contact, first irons disposed on one of the fixed terminal and the movable terminal, and a second iron disposed on another one of the fixed terminal and the movable terminal such that the second iron at least partially overlaps both of the first irons.

IPC 8 full level  
**H01H 1/54** (2006.01); **H01H 50/54** (2006.01); **H01H 50/04** (2006.01); **H01H 50/56** (2006.01); **H01H 50/64** (2006.01)

CPC (source: CN EP KR US)  
**H01H 1/54** (2013.01 - EP US); **H01H 50/14** (2013.01 - KR); **H01H 50/28** (2013.01 - US); **H01H 50/42** (2013.01 - US);  
**H01H 50/54** (2013.01 - CN EP US); **H01H 50/56** (2013.01 - KR); **H01H 50/646** (2013.01 - EP US); **H01H 51/2281** (2013.01 - US);  
**H01H 50/04** (2013.01 - EP US); **H01H 50/56** (2013.01 - EP US); **H01H 50/643** (2013.01 - US); **H01H 2050/362** (2013.01 - US);  
**H01H 2203/004** (2013.01 - US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3422378 A1 20190102**; **EP 3422378 B1 20200513**; CN 109148225 A 20190104; CN 109148225 B 20201023; JP 2019009070 A 20190117;  
JP 6857092 B2 20210414; KR 102144421 B1 20200813; KR 20190001930 A 20190107; US 10854409 B2 20201201;  
US 2019006139 A1 20190103

DOCDB simple family (application)  
**EP 18179089 A 20180621**; CN 201810665078 A 20180626; JP 2017126249 A 20170628; KR 20180072663 A 20180625;  
US 201816010701 A 20180618